

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Result No.	Query Match	Length	DB	ID	Description
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1	473.6	5.8	549	79	AM657531
2	336.6	4.1	632	47	AL134888
3	309.6	3.8	345	71	AM358862
4	302.6	3.72	341	72	AM416859
5	299.6	3.6	780	92	X83313
6	285.4	3.5	538	119	AZ053588
7	281.6	3.4	621	64	AM114058
8	275	3.3	542	117	AQ099283
9	273.4	3.3	602	117	AQ099513
10	273.4	3.3	599	117	AQ0919484
11	273	3.3	704	69	AM215497
12	272	3.3	607	119	AZ015736
13	271.6	3.3	542	119	AZ073478
14	271	3.3	556	118	AQ0988310
15	270.8	3.3	681	117	AQ0920012
16	269.6	3.3	497	119	AZ066042
17	265.8	3.2	535	119	AZ018423
18	264.8	3.2	479	118	AQ0988719
19	262.8	3.2	580	119	AZ0400659
20	261.2	3.2	594	119	AZ024758
21	258.2	3.2	564	118	AQ0996182
22	258.2	3.2	614	118	AQ0994045
23	256.4	3.1	530	40	AL150698
24	256.2	3.1	466	118	AZ003313
25	255	3.1	590	117	AQ093217
26	254	3.1	474	119	AZ019967
27	251.8	3.1	626	119	AZ040324
28	251.2	3.1	581	118	AZ006626
29	249	3.0	671	118	AZ0068294
30	245	3.0	519	119	AQ0929961
31	244	3.0	620	117	AQ0929961
32	242	2.9	593	119	AZ028388
33	241.8	2.9	560	119	AZ023929
34	241.1	2.9	557	119	AZ0606989
35	241	2.9	766	42	AL1648716
36	238.4	2.9	503	117	AQ0932220
37	239	2.9	580	29	AL5624937
38	238.8	2.9	512	118	AQ0993385
39	238.6	2.9	610	119	AZ060880
40	238	2.9	559	41	AL158593
41	237.4	2.9	430	119	AZ023851
42	237.2	2.9	481	117	AQ0922578
43	237.2	2.9	568	81	C76668
44	237.2	2.9	849	114	AQ0744486
45	236.4	2.9	568	118	AZ008963
					AM657531 110922 MA
					AL134888 DKEZP762K
					AM358862 43799 MAR
					AM416859 52601 MAR
					X83313 MMRIS16REV M
					AZ053588 RPCI-23-4
					AM114058 MC1153 mo
					AQ099283 RPCI-23-2
					AQ099513 RPCI-23-2
					AQ0919484 RPCI-23-2
					AM215497 ud04H01.X
					AZ015736 RPCI-23-3
					AZ073478 RPCI-23-3
					AQ0988310 RPCI-23-4
					AQ0920012 RPCI-23-4
					AZ064042 RPCI-23-4
					AZ018423 RPCI-23-2
					AQ0988719 RPCI-23-3
					AZ0400659 RPCI-23-3
					AZ047578 RPCI-23-2
					AQ098182 RPCI-23-3
					AQ0994045 RPCI-23-3
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					AQ093217 RPCI-23-2
					AZ019967 RPCI-23-2
					AZ040324 RPCI-23-3
					AZ006626 RPCI-23-4
					AZ006294 RPCI-23-3
					AZ073828 RPCI-23-4
					AQ0928961 RPCI-23-3
					AZ028388 RPCI-23-3
					AZ023929 RPCI-23-3
					AZ060989 RPCI-23-4
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					AQ0932220 RPCI-23-2
					AM624937 vn91d11.i
					AQ0993385 RPCI-23-4
					AZ060880 RPCI-23-4
					AL158593 v836g05.x
					AZ023851 RPCI-23-3
					AQ092578 RPCI-23-3
					C76668 C76668 Mous
					AQ0744486 HS-5508
					AZ008963 RPCI-23-3

ALIGNMENTS

RESULT	1				05-APR-2000
AM657531		549 bp	mrna		
LOCUS					
DEFINITION					
	110922	MARC	1BOV Bos	taurus	CDNA 5', mRNA sequence.
ACCESSION					
	AM657531				

REFERENCE
AUTHORS
1 (bases 1 to 549)
Smith, T. P. L., Casas, E., Stone, R. T., Heaton, M. P., Grosse, W. M.,
Frankenburg, S. C., Fekling, B. A., Rohrer, G. A. and
Donnet, C. A.

TITLE
Keeler, J. W.
Design and use of four pooled tissue normalized cDNA libraries for
EST discovery in cattle

JOURNAL Unpublished (2000)
On Oct 30, 1998 this sequence version replaced gi:3815947
COMMENT
Contact: Smith TPI.

Tel: 402 762 4366
Fax: 402 762 4360
Email: smith@emall.marc.usda.gov
Single pass sequencing. Bases called and alt_trimmed with phred
v0.980904.o. Vector identified by cross_match with the -minscore 18
and -mismatch 12 options.
PCR Primers
FORWARD: AGGAAACAGCTTATGACCAT
BACKWARD: GTTTTCCGATCGACGACG
Plate: 94 row: E column: 12
seq primer: ATTAGTGCACACTATAG.
location/qualifiers

FEATURES	Location/Qualifiers
source	1. . 549
	/extand4smr#Bos taurus

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/140_1081-21436
/notc="Vector": PCMV SPOR6; Site_1: XbaI; Site_2: XhoI
Library made from pooled tissue from lymph node, ovary
fat, hypothalamus, and pituitary."
BASE COUNT      145 a      144 c      129 g      139 t

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BASE COUNT	145 a	144 c	121 g	139 c
ORIGIN				

Query Match	5.88;	Score 473.6;	DB 79;	Length 549;
Best Local Similarity	92.7%;	Pred. No. 2,1e-122;		
Matches 508; Conservative	0;	Mismatches 39;	Indels 1;	Gaps 1

Qy	6483	ctcccaggtgtctctgtttaagaagaagaagaccttcaagctcatccaaaggagctt	6542
Db	2	CTCCCCCGGTGTTCTCTGTTTAAGACAGGACAGACGCTTTCAGCTCATATCCAGGGAGTTT	61
Qy	6543	ccaagcatalcaactccacgcgacccttgatgccaacttctctgtgtgcttgcatactc	6602
Db	62	CCAAGCATCAACCTCCACGACCCCGACATGCTCTTCTTGTGGCTTGTCTATCCTC	121
Qy	6603	aaggcctctctattcttgaggagatggcttaagaagaagaanaatcaactgttaccaaagca	666
Db	122	AAGGCTCTCTTATTATVAGGGAATGGCTAGAGAAAGGAATTCATAGTATCCAAAGAGA	181
Qy	6663	tagaatcaatgtacatgtggggtgccgaaataagctacccctactgaagttccggaa	6722
Db	182	TGAAATCAATGTACATGGGGGTCCCGAAATAAAGCTCACCCCTCAGTAAGTTTCCGGAA	241
Qy	6723	ggggacatgcatagaanaagctcccccattccaccacacaccttgcataagtacttgat	6782
Db	242	GGGGACATGCAATGAGAAAAAGCTCCCCCATTCCTCCACCAACACTTTGCATATGTTATGTT	301
Qy	6783	ttaatgacagcgctcagaanaatcagtaattagtactcctgttataacaggttgatgcatg	6842
Db	302	TTATGAGCAGGGCTTAAGAAATCATATTATTAGTACCTCGTTATTAAGATGAAGTGGGCAATG	361
Qy	6843	caatactgggttaacccctgtttccactgaagtcttaaccataccaagaattctg	6902

FEATURES

Contact: Blum H
MIPS
Am Klopferspitz 18a D-82152 Martinsried, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email: s.wiemann@dkfz-heidelberg.de;
sequenced by LMU (Ludwig Maximilians University,
Munich/Germany) within the cDNA sequencing consortium of the German
Genome Project.
No 3' sequence available.
This clone (DKFZp762K0910) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/availability

Query Match	4.1%	Score 336.6;	DB 47;	Length 632;
Best Local Similarity	70.8%	Pred. No. 1.1e-83;		
Matches 447;	Conservative 0;	Mismatches 184;	Indels 0;	Gaps 0;

QY	2605	ccaagccctgggcagagaacccgagatgggtttggcacaagaattccccacaggtta	2664
Dd	1	CCGAGCCCTGGGCAGAAACCGGGGCATGGACATCGCATTTCCGCAAGCGCCTCGATTAA	60
QY	2665	ttcaacttgaagccagatgctacacacagatcagtcacacagctaaccccttgatagtagagag	2724
Dd	61	TACCTTAAAGCAACCTCCACCCCTGTGTCCATCAAAACAGTACCACCATGTACACAGAAAG	120
QY	2725	ctcgagaagaatttggccgcattgtccaagattatccaacagggcattccctactgttccctg	2784

[illegible]

Contact: Smith TPL
 USDA, ARS, US Meat Animal Research Center
 PO Box 166, Clay Center, NE 68933-0166, USA
 Tel: 402 762 4366
 Fax: 402 762 4390
 Email: smith@email.marc.usda.gov
 Single pass sequencing. Bases called and trimmed with phred
 v0.960904.e. Vector identified by cross-match with the -minscore 20
 and -mismatch 12 options.
 PCR Primers
 FORWARD: AGGAACAGCTATGACCAT
 BACKWARD: GTTTCACAGTCAGACG
 Plate: 25 row: D column: 18
 Seq primer: ATTGTAGGACATCATAC.
 Location/Qualifiers
 1..345
 /organism="Sus scrofa"
 /db_xref="taxon:9823"
 /clone_lib="MARC 2P1G"
 /tissue_type="pooled"